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Work Order #: M107020

|                                   |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
|-----------------------------------|--|--|--|--|--|---|--|--|--|--|--|--------------------------|--|--------------------------------------|--|--|--|---------------------|--|----------|--|--|--|-------------|--|--|--|--|--|------------|--|--|--|--|--|
| CLIENT: Bristol                   |  |  |  |  |  | INVOICE TO: Bristol   |  |  |  |  |  |                          |  | TURNAROUND REQUEST in Business Days* |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| REPORT TO: Anne Korman Weller     |  |  |  |  |  |   |  |  |  |  |  |                          |  | Organic & Inorganic Analyses         |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| ADDRESS: Anchitak Island, AK      |  |  |  |  |  |   |  |  |  |  |  |                          |  | 10 7 5 4 3 2 1 <1                    |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| PHONE: 907 770-0974 FAX: 770-0975 |  |  |  |  |  | P.O. NUMBER: 21090  |  |  |  |  |  |                          |  | STD. Petroleum Hydrocarbon Analyses  |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| PROJECT NAME: Anchitak            |  |  |  |  |  | REQUESTED ANALYSES  |  |  |  |  |  |                          |  | 5 4 3 2 1 <1                         |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| PROJECT NUMBER: 21090             |  |  |  |  |  |   |  |  |  |  |  |                          |  | STD. Please Specify                  |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| SAMPLED BY: CW                    |  |  |  |  |  |   |  |  |  |  |  |                          |  | OTHER                                |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| CLIENT SAMPLE IDENTIFICATION      |  |  |  |  |  | SAMPLING DATE/TIME  |  |  |  |  |  | MATRIX (W, S, O)         |  |                                      |  |  |  | # OF CONT.          |  | COMMENTS |  |  |  | NCA WORK ID |  |  |  |  |  |            |  |  |  |  |  |
| 1. OIAMTEOZMI                     |  |  |  |  |  | 7/9/01 1115   |  |  |  |  |  | X                        |  |                                      |  |  |  | W                   |  | 1        |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 2.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 3.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 4.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 5.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 6.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 7.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 8.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 9.                                |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 10.                               |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 11.                               |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 12.                               |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 13.                               |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 14.                               |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| 15.                               |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| RELINQUISHED BY: [Signature]      |  |  |  |  |  | DATE: 7/9/01  |  |  |  |  |  | RECEIVED BY: [Signature] |  |                                      |  |  |  | DATE: 7/9/01        |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| PRINT NAME: Charlie Marshy        |  |  |  |  |  | FIRM: Bristol   |  |  |  |  |  | TIME: 1124               |  |                                      |  |  |  | PRINT NAME: Stephen |  |          |  |  |  | FIRM: NCA   |  |  |  |  |  | TIME: 1124 |  |  |  |  |  |
| RELINQUISHED BY:                  |  |  |  |  |  | DATE:   |  |  |  |  |  | RECEIVED BY:             |  |                                      |  |  |  | DATE:               |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| PRINT NAME:                       |  |  |  |  |  | FIRM:   |  |  |  |  |  | TIME:                    |  |                                      |  |  |  | PRINT NAME:         |  |          |  |  |  | FIRM:       |  |  |  |  |  | TIME:      |  |  |  |  |  |
| ADDITIONAL REMARKS: Laboon        |  |  |  |  |  |   |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |
| COC REV 3/99                      |  |  |  |  |  | Tested Edmund from Holding Tank. Test for PCBs after 171 hit on |  |  |  |  |  |                          |  |                                      |  |  |  |                     |  |          |  |  |  |             |  |  |  |  |  |            |  |  |  |  |  |



**Seattle** 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-9223  
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7 December, 2001

Anne Kranawetter  
Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

RE: Amchitka

Enclosed are the results of analyses for samples received by the laboratory on 07/09/01 11:24. If you have any questions concerning this report, please feel free to contact me.

This report was recreated from a previously issued final report in order to provide an electronic copy. The final report used for these electronic copies may have been previously issued as an amended report due to client requested changes to sample names, etc. No data has changed since submission of the previously issued final, or amended, report.

Sincerely,

Stephen Wilson  
Environmental Group Leader

Work Orders included in this report:

**M107020**



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Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
07/10/01 09:47

#### ANALYTICAL REPORT FOR SAMPLES

| Sample ID  | Laboratory ID | Matrix | Date Sampled   | Date Received  |
|------------|---------------|--------|----------------|----------------|
| 01AMTE02MI | M107020-01    | Water  | 07/09/01 11:15 | 07/09/01 11:24 |

COC #158

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

**North Creek Analytical, Inc.**  
**Environmental Laboratory Network**

1 of 4



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Bristol Environmental & Engineering  
2000 W International Airport C#1  
Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
07/10/01 09:47

**Polychlorinated Biphenyls per EPA Method 8082**  
**North Creek Analytical - Mobile Lab**

| Analyte                              | Result | Reporting<br>Limit | Units | Dilution | Method   | Prepared                             | Analyzed | Batch   | Notes |
|--------------------------------------|--------|--------------------|-------|----------|----------|--------------------------------------|----------|---------|-------|
| <b>01AMTE02MI (M107020-01) Water</b> |        |                    |       |          |          | Sampled: 07/09/01 Received: 07/09/01 |          |         |       |
| Aroclor 1016                         | ND     | 0.200              | ug/l  | 1        | EPA 8082 | 07/09/01                             | 07/09/01 | 0107037 |       |
| Aroclor 1221                         | ND     | 0.400              | "     | "        | "        | "                                    | "        | "       |       |
| Aroclor 1232                         | ND     | 0.200              | "     | "        | "        | "                                    | "        | "       |       |
| Aroclor 1242                         | ND     | 0.200              | "     | "        | "        | "                                    | "        | "       |       |
| Aroclor 1248                         | ND     | 0.200              | "     | "        | "        | "                                    | "        | "       |       |
| Aroclor 1254                         | ND     | 0.200              | "     | "        | "        | "                                    | "        | "       |       |
| Aroclor 1260                         | ND     | 0.200              | "     | "        | "        | "                                    | "        | "       |       |
| Surr: 2,4,5,6-Tetrachloro-m-xylene   | 64.0 % | 44-119             |       |          |          |                                      |          |         |       |
| Surr: Decachlorobiphenyl             | 80.0 % | 54-128             |       |          |          |                                      |          |         |       |

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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2 of 4



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Anchorage, AK 99502-1116

Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
07/10/01 09:47

### Polychlorinated Biphenyls per EPA Method 8082 - Quality Control

#### North Creek Analytical - Mobile Lab

| Analyte | Result | Reporting<br>Limit | Units | Spike<br>Level | Source<br>Result | %REC<br>%REC | %REC<br>Limits | RPD | RPD<br>Limit | Notes |
|---------|--------|--------------------|-------|----------------|------------------|--------------|----------------|-----|--------------|-------|
|---------|--------|--------------------|-------|----------------|------------------|--------------|----------------|-----|--------------|-------|

#### Batch 0107037 - 3520B Liq-Liq

##### Blank (0107037-BLK1)

Prepared & Analyzed: 07/09/01

|              |    |       |      |  |  |  |  |  |  |  |
|--------------|----|-------|------|--|--|--|--|--|--|--|
| Aroclor 1016 | ND | 0.200 | ug/l |  |  |  |  |  |  |  |
| Aroclor 1221 | ND | 0.400 | "    |  |  |  |  |  |  |  |
| Aroclor 1232 | ND | 0.200 | "    |  |  |  |  |  |  |  |
| Aroclor 1242 | ND | 0.200 | "    |  |  |  |  |  |  |  |
| Aroclor 1248 | ND | 0.200 | "    |  |  |  |  |  |  |  |
| Aroclor 1254 | ND | 0.200 | "    |  |  |  |  |  |  |  |
| Aroclor 1260 | ND | 0.200 | "    |  |  |  |  |  |  |  |

Surr: 2,4,5,6-Tetrachloro-m-xylene

0.156

"

0.200

78.0

44-119

Surr: Decachlorobiphenyl

0.188

"

0.200

94.0

54-128

##### LCS (0107037-BS1)

Prepared & Analyzed: 07/09/01

|                                    |       |       |      |       |  |      |        |  |  |  |
|------------------------------------|-------|-------|------|-------|--|------|--------|--|--|--|
| Aroclor 1254                       | 0.727 | 0.200 | ug/l | 1.00  |  | 72.7 | 47-155 |  |  |  |
| Surr: 2,4,5,6-Tetrachloro-m-xylene | 0.146 |       | "    | 0.200 |  | 73.0 | 44-119 |  |  |  |
| Surr: Decachlorobiphenyl           | 0.168 |       | "    | 0.200 |  | 84.0 | 54-128 |  |  |  |

##### LCS Dup (0107037-BSD1)

Prepared & Analyzed: 07/09/01

|                                    |       |       |      |       |  |      |        |      |    |  |
|------------------------------------|-------|-------|------|-------|--|------|--------|------|----|--|
| Aroclor 1254                       | 0.704 | 0.200 | ug/l | 1.00  |  | 70.4 | 47-155 | 3.21 | 50 |  |
| Surr: 2,4,5,6-Tetrachloro-m-xylene | 0.141 |       | "    | 0.200 |  | 70.5 | 44-119 |      |    |  |
| Surr: Decachlorobiphenyl           | 0.164 |       | "    | 0.200 |  | 82.0 | 54-128 |      |    |  |

North Creek Analytical - Mobile Lab

Stephen Wilson, Environmental Group Leader

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Project: Amchitka  
Project Number: 21090  
Project Manager: Anne Kranawetter

**Reported:**  
07/10/01 09:47

### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis. MRLs are adjusted if %Solids are less than 50%.  
wet Sample results reported on a wet weight basis (as received)  
RPD Relative Percent Difference

North Creek Analytical - Mobile Lab

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**Environmental Laboratory Network**

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### Items for Project Manager Review

| LabNumber | Analysis | Analyte | Exception  |
|-----------|----------|---------|--|
|           |          |         | Report recreated from:<br>\\sisters\elmnt\Report\M107020 FINAL 07 10 01<br>0947.mdb<br>Default Report (not modified) |